

## ARG62782 anti-CD25 antibody [MEM-181] (Biotin)

Package: 100 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [MEM-181] recognizes CD25
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone MEM-181 reacts with CD25 (Interleukin-2 receptor alpha chain), a 55 kDa type I transmembrane glycoprotein expressed on activated B and T lymphocytes, activated monocytes/macrophages and on CD4+ T lymphocytes (T regulatory cells); it is lost on resting B and T lymphocytes. HLDA VI; WS Code NL N-L024
Host	Mouse
Clonality	Monoclonal
Clone	MEM-181
Isotype	IgG1
Target Name	CD25
Immunogen	PHA-activated peripheral blood leucocytes
Conjugation	Biotin
Alternate Names	IL-2-RA; IL-2 receptor subunit alpha; CD25; TCGFR; TAC antigen; IL2R; CD antigen CD25; Interleukin-2 receptor subunit alpha; IL-2R subunit alpha; p55; IL2-RA; IDDM10

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 3559 Human](#)

[Swiss-port # P01589 Human](#)

Gene Symbol

IL2RA

Gene Full Name

interleukin 2 receptor, alpha

Background

CD25 (IL2Ralpha, Tac) is a ligand-binding alpha subunit of interleukin 2 receptor (IL2R). Together with beta and gamma subunit CD25 constitutes the high affinity IL2R, whereas CD25 alone serves as the low affinity IL2R. CD25 expression rapidly increases upon T cell activation. The 55 kDa CD25 molecule is enzymatically cleaved and shed from the cell surface as a soluble 45 kDa s-Tac, whose concentration in serum can be used as a marker of T cell activation. Expression of CD25 indicates the neoplastic phenotype of mast cells. Humanized anti CD25 antibodies represent a useful tool to reduce the incidence of allograft rejection as well as the severity of graft versus host reaction, and radioimmunoconjugates of anti-CD25 antibodies can be used against CD25 expressing lymphomas.

Function

Receptor for interleukin-2. [UniProt]

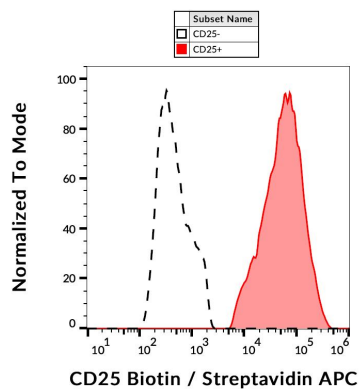
Research Area

Immune System antibody; Pre-B Cell Marker antibody

Calculated Mw

31 kDa

## Images



ARG62782 anti-CD25 antibody [MEM-181] (Biotin) FACS image

Flow Cytometry: PHA-stimulated (3 days) Human PBMC stained with ARG62782 anti-CD25 antibody [MEM-181] (Biotin), followed by Streptavidin (APC).